



## CBA Captain<sup>®</sup> (tested as CICA1521)

### Agzone 2 WA

April 2023, prepared by NSW DPI

- CBA Captain<sup>®</sup> is a broadly adapted desi chickpea variety with an erect plant type (like Genesis<sup>™</sup>836).
- CBA Captain<sup>®</sup> has good height to lowest pod and good lodging resistance. These attributes combined provide excellent harvestability. Far superior to PBA Slasher<sup>®</sup> and PBA Striker<sup>®</sup>.
- CBA Captain<sup>®</sup> is mid flowering and early to mid-maturing in WA growing environments.
- CBA Captain<sup>®</sup> has been evaluated in WA NVT testing since 2017. CBA Captain<sup>®</sup> has consistent long-term yield gains over Genesis<sup>™</sup>836. Please see <https://app.nvtonline.com.au> for location specific yield data.

**Table 1.** Long term yield (2018-2021) of CBA Captain<sup>®</sup> and current chickpea varieties, expressed as a % of the mean yield, in NVT in Agzone 2.

GRDC NATIONAL VARIETY TRIALS		Yield t/ha				
		2018	2019	2020	2021	2022
	Mean Yield	0.58 t/ha	0.45 t/ha	0.79 t/ha	1.55 t/ha	1.13 t/ha
Variety	Trials	1	1	2	2	2
PBA Slasher	8	97	112	106	105	108
PBA Striker	8	101	101	107	105	106
CBA Captain	8	109	85	106	102	95
Neelam	8	103	91	102	101	99
PBA Maiden	8	106	88	99	98	101
Genesis 836	8	101	92	94	96	93

Source: <https://app.nvt.grdc.com.au/lty/table/chickpea-desi/wa/agzone2/>

#### Disease resistance

- CBA Captain<sup>®</sup> has an NVT pulse disease rating for Ascochyta blight of Moderately Susceptible (MS) in the northern region and Susceptible (S) in the southern region.
- In WA, Ascochyta Blight evaluation has been performed by the Centre for Crop and Disease Management (CCDM) Curtin University, where CBA Captain performed similarly to Genesis<sup>™</sup>090 with lower disease observed than for Genesis<sup>™</sup>836, PBA Striker and PBA Slasher.
- Each year, the CCDM program collects and tests Ascochyta samples from WA growing regions. A small proportion of fungal isolates collected from 2019 to 2022 have elevated levels of aggressiveness, but CBA Captain remains the most resistant variety tested.

Citation: Dr. Robert Lee, Pulse Pathology and Genetics, Centre for Crop and Disease Management, April 2023.

- CBA Captain<sup>®</sup> has a disease rating for Botrytis grey mould of Susceptible (S), the same as all other current chickpea varieties.

#### Grain quality

- CBA Captain<sup>®</sup> has a medium seed size with a yellow-brown seed coat and angular seed shape, similar to PBA HatTrick (widely grown desi in NSW, QLD)

#### Chickpea Agronomy

- Please refer to the following DPIRD chickpea guides;

<https://www.agric.wa.gov.au/chickpeas/desi-chickpea-essentials>

[https://www.agric.wa.gov.au/sites/gateway/files/DPIRD\\_CSG%202023\\_Pulse%20Guide.pdf](https://www.agric.wa.gov.au/sites/gateway/files/DPIRD_CSG%202023_Pulse%20Guide.pdf)

#### Seed availability

- CBA Captain<sup>®</sup> has an end point royalty of \$4.50/tonne (ex-GST).
- Sourcing Seed



08 9651 1069



08 9045 4036

- CBA Captain<sup>®</sup> was developed by the PBA Chickpea program (led by NSW Department of Primary Industries). The partners of the PBA Chickpea program were: GRDC, NSW DPI, Department of Agriculture and Fisheries (QLD), Agriculture Victoria and the South Australian Research and Development Institute.



<https://www.chickpeabreedingaustralia.com.au/>